

Editing End-of-Job User Routines

This section covers the following topics:

- Creating or Editing User Routines
- Example

Creating or Editing User Routines

 **To create or edit the user routine defined to run when the associated event occurs**

1. Type **E** in the line command field of the associated event in the End-of-Job Checking and Actions screen. Press Enter.

The Entire Operations Editor screen appears. If a user routine has already been defined, it appears on the screen.

Note:

The edit option - **E** line command - is available only at the event level, and only if the event is an **R**-type.

2. You can modify the existing user routine or create a new one using Editor commands and PF keys.

A user check routine must be a Natural subprogram. The subprogram returns a code zero to signal **job ok** status. Any other code signals **job not ok**.

Example

An end-of-job user routine is shown in the example below. This routine summarizes the contents of a numeric field in the sysout and compares it with a given value. If both are equal, the event is **ok**, otherwise it is **not ok**.

For a full description of the Editor, see the Software AG Editor Documentation.

```

DEFINE DATA PARAMETER USING NOPXPL-A
LOCAL
1 READ-SPOOL VIEW OF READ-SPOOL          /* AN ENTIRE SYSTEM SERVER VIEW
2 RECORD
2 REDEFINE RECORD
3 RECORD-HEADER      (A05)
*
1 #NF                (I02) CONST <10>    /* MAX. NUMBER FOR SEPARATION
1 #SUM                (N08) INIT  <0>
1 #SUM-EXPECTED      (N08) CONST <2000>
1 #FIELD              (A10/1:#NF)
1 #LOG-STATUS         (N04)
1 #LOG-MESSAGE        (A60)
END-DEFINE

```

```
* -----
* This EOJ User Routine will read the Job sysout (dataset 2)
* and will summarize a defined field.
* If the sum is equal to a given value, this routine returns
* an 'OK' (P-RC = 0), otherwise 'NOT OK'.
*
* A log record will be written to document the result.
*
RESET #SUM
RS. FIND READ-SPOOL
  WITH NODE = P-EXECUTION-NODE AND JOB-NUMBER = P-JOB-NUMBER
  AND TYPE = 'SO' AND DATA-SET = 2 AND RECORD-NUMBER >= 1
  ACCEPT IF RS.RECORD-HEADER = 'REC01'      /* interesting only
  SEPARATE RS.RECORD LEFT JUSTIFIED INTO #FIELD(*)
  ADD VAL(#FIELD(3)) TO #SUM
END-FIND
*
IF #SUM = #SUM-EXPECTED
  RESET P-RC
  MOVE 'Sum check is ok' TO #LOG-MESSAGE
ELSE
  MOVE 1 TO P-RC
  COMPRESS 'Sum:' #SUM 'Expected:' #SUM-EXPECTED INTO #LOG-MESSAGE
END-IF
MOVE 9999 TO #LOG-STATUS
CALLNAT 'NOPULW3N'          /* WRITE LOG RECORD
  #LOG-STATUS #LOG-MESSAGE P-OWNER P-NETWORK P-JOB P-RUN
  P-JOB-NUMBER
END
```